QP Code: 12832

N.B. : (1)	(2½Hours) [ All questions are compulsory.	Total Marks :75
(2) (3)	Tit and the state of the state	
1. Explain t	he following:- Non-Competitive enzyme inhibition.	26
(a) (b)	OR Derivation of Line weaver Burk equation and its significance. Transferase and Isomerase.	0×8
(b)	Mechanism of enzyme action.	Fig. 8
2. Describe (a)	the following:- Classification of chemical messengers. OR	7 7 8 8 8 8 8 8 8 7
(a) (b)	Gama-amino butyric acid as a neurtransmitter.  Mode of working of neurotransmitters.  OR	7 8
(b)	Acetylcholine as a neurotransmitter.	8
3. Explain (a)	Control of blood glucose level as an example of homeostasi	is. 7
(a) (b)	Non-shivering thermogenesis. Acclimation and Acclimatization. OR	7 8
(b)	Ionic-regulation in hypo-osmotic environment.	8
4. Describe	e the following:- Cardiac output.	7
(a) (b)	Endocrine regulation of male reproductive system. Endocrine regulation of pregnancy in mammals.  OR	7 8
(b)	Myogenic heart.	8
5. Write sh (a)	cort notes on:- Chemical structure of enzyme. OR	4
(a) (b)	Effect of par on enzyme activity. Purine ADP.	4 4
(b) (c)	Aspertic acid. Aestivation. OR	4 4
(c) (d)×	Behavioural adaptations with reference to terrestrial environ Suction pump in open circulation.	nment. 4
SAKA	Estrous cycle.	3